

**AS IN AGRICULTURE TO BS IN AGRICULTURE IN ANIMAL SCIENCE  
EMPHASIS IN PRODUCTION AND MANAGEMENT**

| Campus                                    |                                | Black River Technical College Courses                           | Comparable A-State Course                                                        | Hours                                     |
|-------------------------------------------|--------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------|
| Black River Technical College             | English Composition            | ENG 1003 Freshman English I                                     | ENG 1003 Composition I                                                           | 3                                         |
|                                           |                                | ENG 1013 Freshman English II                                    | ENG 1013 Composition II                                                          | 3                                         |
|                                           |                                | SCOM 1203 Oral Communications                                   | COMS 1203 Oral Communication                                                     | 3                                         |
|                                           | Math                           | MATH 1023 College Algebra                                       | MATH 1023 College Algebra                                                        | 3                                         |
|                                           | Life Science                   | BIOL 1004 Biological Science/Lab                                | BIOL 1003/1001 Biological Science/Lab                                            | 4                                         |
|                                           | Physical Science               | CHEM 1004 General Chemistry I/Lab                               | CHEM 1013/1011 General Chemistry I/Lab                                           | 4                                         |
|                                           | US History/ Government         | HIST 2763 The US to 1876                                        | HIST 2763 The US to 1876                                                         | 3                                         |
|                                           |                                | HIST 2773 The US since 1876                                     | HIST 2773 The US since 1876                                                      |                                           |
|                                           |                                | POSC 2103 U.S Government                                        | POSC 2103 Intro to US Government                                                 |                                           |
|                                           | Soc. Science                   | ECON 2313 Prin. Of Macroeconomics                               | ECON 2313 Prin. Of Macroeconomics                                                | 3                                         |
|                                           | Humanities                     | ENG 2003 Intro to World Lit I                                   | ENG 2003 World Lit to 1660                                                       | 3                                         |
|                                           |                                | ENG 2013 Intro to World Lit II                                  | ENG 2013 World Lit Since 1660                                                    |                                           |
|                                           | World Civilization             | HIST 1013 World Civilization to 1660                            | HIST 1013 World Civilization to 1660                                             | 3                                         |
|                                           |                                | HIST 1023 World Civilization Since 1660                         | HIST 1023 World Civilization Since 1660                                          |                                           |
|                                           | Fine Arts                      | FAT 2203 Fine Arts Theatre                                      | THEA 2503 Fine Arts Theatre                                                      | 3                                         |
|                                           |                                | FAM 2503 Fine Arts Musical                                      | MUS 2503 Fine Arts Music                                                         |                                           |
|                                           |                                | FAM 2503 Fine Arts Visual                                       | ART 2503 Fine Arts Visual                                                        |                                           |
|                                           | Agricultural Core Requirements | AGEC 1003 Intro to Agriculture Econ                             | AGEC 1003 Introduction to Agricultural Bus                                       | 3                                         |
|                                           |                                | AGRI 1211 Seminars in Agriculture                               | AGRI Elective (1 hour)                                                           | 1                                         |
|                                           |                                | ANSC 1613 Intro to Animal Science                               | ANSC 1613 Intro to Animal Science                                                | 3                                         |
|                                           |                                | ANSC 1621 Intro to Animal Science Lab                           | ANSC 1621 Intro to Animal Science Lab                                            | 1                                         |
|                                           |                                | PSSC 1301 Introduction to Plant Sci Lab                         | PSSC 1301 Plant Science Laboratory                                               | 1                                         |
|                                           |                                | PSSC 1303 Introduction to Plant Science                         | PSSC 1303 Introduction to Plant Science                                          | 3                                         |
|                                           |                                | PSSC 2811 Introduction to Soils Lab                             | PSSC 2811 Soils Laboratory                                                       | 1                                         |
|                                           |                                | PSSC 2813 Introduction to Soils                                 | PSSC 2813 Soils                                                                  | 3                                         |
|                                           | Animal Science Emphasis        | CHEM 1023 General Chemistry II                                  | CHEM 1023 General Chemistry II                                                   | 3                                         |
|                                           |                                | CHEM 1021 Lab for General Chemistry II                          | CHEM 1021 General Chemistry II Lab                                               | 1                                         |
|                                           |                                | BIOL 2104 Microbiology & Lab                                    | BIOL 2103/2101 Microbiology for Nursing/Lab                                      | 4                                         |
|                                           |                                | SPT 1001 Special Topics                                         | Transfer Credit Elective                                                         | 1                                         |
|                                           | A-State                        | Agriculture Core Courses                                        |                                                                                  | AGRI 3233 Applied Agricultural Statistics |
|                                           |                                |                                                                 | STAT 3233 Applied Statistics I                                                   |                                           |
|                                           |                                |                                                                 | TECH 3773 Statistics                                                             |                                           |
|                                           |                                |                                                                 | AGRI 3813 Agricultural Biosystems I                                              | 3                                         |
|                                           |                                |                                                                 | AGRI 3823 Agricultural Biosystems II                                             | 3                                         |
|                                           |                                |                                                                 | AGRI 4723 Ag Connections: Technical Interpretation and Professional Applications | 3                                         |
|                                           |                                |                                                                 | AGRI 420V Internships in Agriculture                                             |                                           |
| Major Requirements                        |                                |                                                                 | AGRI 2213 Genetic Improvement of Plants and Animals                              | 3                                         |
|                                           |                                |                                                                 | BIO 3013 Genetics                                                                | 3                                         |
|                                           |                                |                                                                 | ANSC 3613 Nutritional Management of Domestic Animals                             |                                           |
|                                           |                                |                                                                 | ANSC 3633 Veterinary Anatomy & Physiology                                        |                                           |
|                                           |                                |                                                                 | Animal Science (ANSC) Upper-level Electives                                      | 12                                        |
| Emphasis Area – Production and Management |                                |                                                                 | AGEC 4073 Agricultural Business Mgmt                                             | 3                                         |
|                                           |                                |                                                                 | ANSC 3703 Poultry Flock Management                                               | 3                                         |
|                                           |                                |                                                                 | ANSC 4663 Principles of Breeding                                                 | 3                                         |
|                                           |                                |                                                                 | ANSC 4673 Digestive Physiology and Nutrition of Animals                          | 3                                         |
| Additional Support Courses                |                                |                                                                 | ANSC 4683 Reproductive Physiology                                                | 3                                         |
|                                           |                                | Upper-level Support Courses (AGEC, AGED, ANSC, BIO, CHEM, PSSC) | 6                                                                                |                                           |
| Electives                                 |                                | Electives                                                       | 6                                                                                |                                           |

**AS IN AGRICULTURE TO BS IN AGRICULTURE IN ANIMAL SCIENCE  
EMPHASIS IN PRE-VETERINARY**

| Campus                        |                                           | Black River Technical College Courses        | Comparable A-State Course                                                        | Hours |    |
|-------------------------------|-------------------------------------------|----------------------------------------------|----------------------------------------------------------------------------------|-------|----|
| Black River Technical College | English Composition                       | ENG 1003 Freshman English I                  | ENG 1003 Composition I                                                           | 3     |    |
|                               |                                           | ENG 1013 Freshman English II                 | ENG 1013 Composition II                                                          | 3     |    |
|                               |                                           | SCOM 1203 Oral Communications                | COMS 1203 Oral Communication                                                     | 3     |    |
|                               | Math                                      | MATH 1023 College Algebra                    | MATH 1023 College Algebra                                                        | 3     |    |
|                               | Life Science                              | BIOL 1004 Biological Science/Lab             | BIOL 1003/1001 Biological Science/Lab                                            | 4     |    |
|                               | Physical Science                          | CHEM 1004 General Chemistry I/Lab            | CHEM 1013/1011 General Chemistry I/Lab                                           | 4     |    |
|                               | US History/<br>Government                 | HIST 2763 The US to 1876                     | HIST 2763 The US to 1876                                                         | 3     |    |
|                               |                                           | HIST 2773 The US since 1876                  | HIST 2773 The US since 1876                                                      |       |    |
|                               |                                           | POSC 2103 U.S Government                     | POSC 2103 Intro to US Government                                                 |       |    |
|                               | Soc. Science                              | ECON 2313 Prin. Of Macroeconomics            | ECON 2313 Prin. Of Macroeconomics                                                | 3     |    |
|                               | Humanities                                | ENG 2003 Intro to World Lit I                | ENG 2003 World Lit to 1660                                                       | 3     |    |
|                               |                                           | ENG 2013 Intro to World Lit II               | ENG 2013 World Lit Since 1660                                                    |       |    |
|                               | World Civilization                        | HIST 1013 World Civilization to 1660         | HIST 1013 World Civilization to 1660                                             | 3     |    |
|                               |                                           | HIST 1023 World Civilization Since 1660      | HIST 1023 World Civilization Since 1660                                          |       |    |
|                               | Fine Arts                                 | FAT 2203 Fine Arts Theatre                   | THEA 2503 Fine Arts Theatre                                                      | 3     |    |
|                               |                                           | FAM 2503 Fine Arts Musical                   | MUS 2503 Fine Arts Music                                                         |       |    |
|                               |                                           | FAM 2503 Fine Arts Visual                    | ART 2503 Fine Arts Visual                                                        |       |    |
|                               | Agricultural Core Requirements            | AGEC 1003 Intro to Agriculture Economics     | AGEC 1003 Introduction to Agricultural Business                                  | 3     |    |
|                               |                                           | AGRI 1211 Seminars in Agriculture            | AGRI Elective (1 hour)                                                           | 1     |    |
|                               |                                           | ANSC 1613 Introduction to Animal Science     | ANSC 1613 Introduction to Animal Science                                         | 3     |    |
|                               |                                           | ANSC 1621 Introduction to Animal Science Lab | ANSC 1621 Introduction to Animal Science Lab                                     | 1     |    |
|                               |                                           | PSSC 1301 Introduction to Plant Science Lab  | PSSC 1301 Plant Science Laboratory                                               | 1     |    |
|                               |                                           | PSSC 1303 Introduction to Plant Science      | PSSC 1303 Introduction to Plant Science                                          | 3     |    |
|                               |                                           | PSSC 2811 Introduction to Soils Lab          | PSSC 2811 Soils Laboratory                                                       | 1     |    |
|                               |                                           | PSSC 2813 Introduction to Soils              | PSSC 2813 Soils                                                                  | 3     |    |
|                               | Animal Science Emphasis                   | CHEM 1023 General Chemistry II               | CHEM 1023 General Chemistry II                                                   | 3     |    |
|                               |                                           | CHEM 1021 Lab for General Chemistry II       | CHEM 1021 General Chemistry II Lab                                               | 1     |    |
| BIOL 2104 Microbiology & Lab  |                                           | BIOL 2103/2101 Microbiology for Nursing/Lab  | 4                                                                                |       |    |
| SPT 1001 Special Topics       |                                           | Transfer Credit Elective                     | 1                                                                                |       |    |
| A-State                       | Agriculture Core Courses                  |                                              | AGRI 3233 Applied Agricultural Statistics                                        | 3     |    |
|                               |                                           |                                              | STAT 3233 Applied Statistics I                                                   |       |    |
|                               |                                           |                                              | TECH 3773 Statistics                                                             |       |    |
|                               |                                           |                                              | AGRI 3813 Agricultural Biosystems I                                              |       | 3  |
|                               |                                           |                                              | AGRI 3823 Agricultural Biosystems II                                             |       | 3  |
|                               |                                           |                                              | AGRI 4723 Ag Connections: Technical Interpretation and Professional Applications |       | 3  |
|                               |                                           |                                              | AGRI 420V Internships in Agriculture                                             |       |    |
|                               | Major Requirements                        |                                              | AGRI 2213 Genetic Improvement of Plants and Animals                              | 3     |    |
|                               |                                           |                                              | BIO 3013 Genetics                                                                |       |    |
|                               |                                           |                                              | ANSC 3613 Nutritional Management of Domestic Animals                             |       | 3  |
|                               |                                           |                                              | ANSC 3633 Veterinary Anatomy and Physiology                                      |       | 3  |
|                               |                                           |                                              | Animal Science (ANSC) Upper-level Electives                                      |       | 12 |
|                               | Emphasis Area – Production and Management |                                              | ANSC 4673 Digestive Physiology and Nutrition of Animals                          | 3     |    |
|                               |                                           |                                              | ANSC 4683 Reproductive Physiology                                                | 3     |    |
|                               |                                           |                                              | CHEM 3103 AND 3101, Organic Chemistry I and Laboratory                           | 4     |    |
|                               |                                           |                                              | CHEM 3113 AND 3111, Organic Chemistry II and Laboratory                          | 4     |    |
|                               |                                           |                                              | CHEM 4243 Biochemistry                                                           | 3     |    |
|                               |                                           |                                              | MATH 1033 Plane Trigonometry                                                     | 3-4   |    |
|                               |                                           |                                              | MATH 1054 Pre-Calculus                                                           |       |    |
|                               |                                           |                                              | PHYS 2054 General Physics I                                                      | 4     |    |
| Electives*                    |                                           | PHYS 2064 General Physics II                 | 4                                                                                |       |    |
|                               |                                           | Electives                                    | 1-4                                                                              |       |    |

\*Must include 1-4 Upper-Level hours

Last Modified: 10/24/18

**AS IN AGRICULTURE TO BS IN AGRICULTURE IN ANIMAL SCIENCE  
EMPHASIS IN EQUINE MANAGEMENT**

| Campus                            |                                | Black River Technical College Courses        | Comparable A-State Course                                                        | Hours                                     |
|-----------------------------------|--------------------------------|----------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------|
| Black River Technical College     | English Composition            | ENG 1003 Freshman English I                  | ENG 1003 Composition I                                                           | 3                                         |
|                                   |                                | ENG 1013 Freshman English II                 | ENG 1013 Composition II                                                          | 3                                         |
|                                   |                                | SCOM 1203 Oral Communications                | COMS 1203 Oral Communication                                                     | 3                                         |
|                                   | Math                           | MATH 1023 College Algebra                    | MATH 1023 College Algebra                                                        | 3                                         |
|                                   | Life Science                   | BIOL 1004 Biological Science/Lab             | BIOL 1003/1001 Biological Science/Lab                                            | 4                                         |
|                                   | Physical Science               | CHEM 1004 General Chemistry I/Lab            | CHEM 1013/1011 General Chemistry I/Lab                                           | 4                                         |
|                                   | US History/ Government         | HIST 2763 The US to 1876                     | HIST 2763 The US to 1876                                                         | 3                                         |
|                                   |                                | HIST 2773 The US since 1876                  | HIST 2773 The US since 1876                                                      |                                           |
|                                   |                                | POSC 2103 U.S Government                     | POSC 2103 Intro to US Government                                                 |                                           |
|                                   | Soc. Science                   | ECON 2313 Prin. Of Macroeconomics            | ECON 2313 Prin. Of Macroeconomics                                                | 3                                         |
|                                   | Humanities                     | ENG 2003 Intro to World Lit I                | ENG 2003 World Lit to 1660                                                       | 3                                         |
|                                   |                                | ENG 2013 Intro to World Lit II               | ENG 2013 World Lit Since 1660                                                    |                                           |
|                                   | World Civilization             | HIST 1013 World Civilization to 1660         | HIST 1013 World Civilization to 1660                                             | 3                                         |
|                                   |                                | HIST 1023 World Civilization Since 1660      | HIST 1023 World Civilization Since 1660                                          |                                           |
|                                   | Fine Arts                      | FAT 2203 Fine Arts Theatre                   | THEA 2503 Fine Arts Theatre                                                      | 3                                         |
|                                   |                                | FAM 2503 Fine Arts Musical                   | MUS 2503 Fine Arts Music                                                         |                                           |
|                                   |                                | FAM 2503 Fine Arts Visual                    | ART 2503 Fine Arts Visual                                                        |                                           |
|                                   | Agricultural Core Requirements | AGEC 1003 Intro to Agriculture Econ          | AGEC 1003 Introduction to Agricultural Bus                                       | 3                                         |
|                                   |                                | AGRI 1211 Seminars in Agriculture            | AGRI Elective (1 hour)                                                           | 1                                         |
|                                   |                                | ANSC 1613 Introduction to Animal Sci         | ANSC 1613 Introduction to Animal Science                                         | 3                                         |
|                                   |                                | ANSC 1621 Introduction to Animal Science Lab | ANSC 1621 Introduction to Animal Science Lab                                     | 1                                         |
|                                   |                                | PSSC 1301 Introduction to Plant Science Lab  | PSSC 1301 Plant Science Laboratory                                               | 1                                         |
|                                   |                                | PSSC 1303 Introduction to Plant Science      | PSSC 1303 Introduction to Plant Science                                          | 3                                         |
|                                   |                                | PSSC 2811 Introduction to Soils Lab          | PSSC 2811 Soils Laboratory                                                       | 1                                         |
|                                   | Animal Science Emphasis        | PSSC 2813 Introduction to Soils              | PSSC 2813 Soils                                                                  | 3                                         |
|                                   |                                | CHEM 1023 General Chemistry II               | CHEM 1023 General Chemistry II                                                   | 3                                         |
|                                   |                                | CHEM 1021 Lab for General Chemistry II       | CHEM 1021 General Chemistry II Lab                                               | 1                                         |
|                                   |                                | BIOL 2104 Microbiology & Lab                 | BIOL 2103/2101 Microbiology for Nursing/Lab                                      | 4                                         |
|                                   |                                | SPT 1001 Special Topics                      | Elective                                                                         | 1                                         |
|                                   | A-State                        | Agriculture Core Courses                     |                                                                                  | AGRI 3233 Applied Agricultural Statistics |
|                                   |                                |                                              | STAT 3233 Applied Statistics I                                                   |                                           |
|                                   |                                |                                              | TECH 3773 Statistics                                                             |                                           |
|                                   |                                |                                              | AGRI 3813 Agricultural Biosystems I                                              | 3                                         |
|                                   |                                |                                              | AGRI 3823 Agricultural Biosystems II                                             | 3                                         |
|                                   |                                |                                              | AGRI 4723 Ag Connections: Technical Interpretation and Professional Applications | 3                                         |
| Major Requirements                |                                |                                              | AGRI 420V Internships in Agriculture                                             | 3                                         |
|                                   |                                |                                              | AGRI 2213 Genetic Improvement of Plants & Animals                                |                                           |
|                                   |                                |                                              | BIO 3013 Genetics                                                                |                                           |
|                                   |                                |                                              | ANSC 3613 Nutrition Mgmt of Domestic Anim                                        |                                           |
| Emphasis Area – Equine Management |                                |                                              | ANSC 3633 Veterinary Anatomy & Phys                                              | 3                                         |
|                                   |                                |                                              | Animal Science (ANSC) Upper-level Electives                                      | 12                                        |
|                                   |                                |                                              | AGEC 4073 Agricultural Business Mgmt                                             | 3                                         |
|                                   |                                |                                              | ANSC 1522 Beginning English Equitation                                           | 2                                         |
|                                   |                                |                                              | ANSC 1602 Equitation                                                             | 2                                         |
|                                   |                                |                                              | ANSC 1612 Intermediate Western Equitation                                        | 2                                         |
|                                   |                                |                                              | ANSC 2623 Equine Care and Management                                             | 3                                         |
|                                   |                                |                                              | ANSC 4613 Horse Production                                                       | 3                                         |
| Additional Support Courses        |                                |                                              | ANSC 4743 Equine Nutrition                                                       | 3                                         |
|                                   |                                |                                              | Upper-level Support Courses (AGEC, AGED, ANSC, BIO, CHEM, PSSC)                  | 9                                         |